

2-hydroxymuconate-6-semialdehyde dehydrogenase

Cat. No. EXWM-1188

Lot. No. (See product label)

Introduction

Description

This substrate for this enzyme is formed by meta ring cleavage of catechol (EC 1.13.11.2, catechol 2,3-dioxygenase), and is an intermediate in the bacterial degradation of several aromatic compounds. Has lower activity with benzaldehyde. Activity with NAD⁺ is more than 10-fold higher than with NADP⁺. cf. EC 1.2.1.32, aminomuconate-semialdehyde dehydrogenase.

Synonyms

xylG (gene name); praB (gene name)

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 1.2.1.85

Reaction

2-hydroxymuconate-6-semialdehyde + NAD⁺ + H₂O = (2Z,4E)-2-hydroxyhexa-2,4-dienedioate + NADH + 2 H⁺

Notes

This item requires custom production and lead time is between 5-9 weeks. We can custom produce according to your specifications.

Storage and Shipping Information

Storage

Store it at +4 °C for short term. For long term storage, store it at -20 °C~-80 °C.